



Dart Hawkesbury  
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada  
Tel (613) 632-5200

# Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total
PO039109	THY001-VC	2	1	Net 30	MT-BRONZE-C63000-R2.500	Bronze C63000 Round Bar 2.500" : MAT'L AS PER BRONZE C63000 AS PER ANS 4640 OR ASME SB150 OR ASTM B150 OR SAE J461 OR SAE J463				1	3/9/2018	1		S049548	Stock	3/9/2018	\$ 263.89 / ft	0		\$263.89
Total:										1		1								\$204

Plex 3/9/2018 9:13 AM Dart, Dubois, Pascal



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# **PURCHASE ORDER** **PO039109**

**Supplier:** THY001-VC  
Thyssenkrupp Materials CA Ltd  
O/A VPK Metal- c/o T27540  
PO Box 4275, Postal "A"  
Toronto  
ON  
M5W 5V8 Canada  
Phone: 905 669 9444  
Fax: 905 738 9033

**PO No:** PO039109

**PO Date:** 2/23/18

**Due Date:** 3/5/18

**Purchase Order**

**Revision:**

**Revision Date:**

**Ship-To Contact:** Lavoie, Chantal  
Phone: clavoie@dartaero.com

**E-MAILED**  
**FEB 23 2018**

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground

**Pynt Terms:** Net 30

**Freight Terms:**

**Special Comments:** quote no. 1203015268

## **Items**

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	MT-BRONZE-C63000-R2.000	1 ft lenght	Bronze C63000 Round Bar 2.000 : MAT'L AS PER BRONZE C63000 AS PER ANS 4640 OR ASME SB150 OR ASTM B150 OR SAE J461 OR SAE J463	Firmed	3/5/18	1 ft	0 ft	1 ft	\$200.78/ft	\$200.78
									MAR 08 2018	DAS 11 9.33
2	MT-BRONZE-C63000-R2.500	1 ft lenght	Bronze C63000 Round Bar 2.500" : MAT'L AS PER BRONZE C63000 AS PER ANS 4640 OR ASME SB150 OR ASTM B150 OR SAE J461 OR SAE J463	Firmed	3/5/18	1 ft	0 ft	1 ft	\$263.89/ft	\$263.89
									MAR 09 2018	DAS 11 9.89
<b>Grand Total:</b>									<b>\$464.67</b>	

## **Order Notes**

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 2/23/18 2:13 PM dart.lavoie.chantal



## DELIVERY NOTE



DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAWKESBURY ON K6A 1K7

DATE: 03/09/2018  
DOC. NO: 2405800687\*  
BOL. NO: 2405800687  
ORDER NO: 1403541295  
YOUR P/O: 039109  
CUSTOMER NO: 10058125  
Route: 303UA  
CONTACT: Stan Ivers  
TEL: 905-532-1350 ext 21350  
FAX: 905-738-9033 ext 9033  
EMAIL: STAN.IVERS@THYSSENKRUP  
P.COM

**\*\* PLEASE SHIP DIRECT USE PUOLATOR PP \*\*\*\*\*  
MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
TO SHIPPING.**

**ATTN: CHANTAL/LINDA**

**\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCED ON IT \*\***

**\*\* PLEASE SHIP DIRECT USE PUOLATOR PP \*\*\*\*\***

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

ITEM	DESCRIPTION	NET QTY1	QTY2	PACKAGE NO
0010	CURD00449	1	PC	1008357267
	Aluminum Bronze C63000 HR50 (drawn & stress relieved) Round		17	lb
	2.5000 (+-.005) X 12 " RBW Cutting - Standard 12			
	Cut To Length			
	12.0000 " 1			
	Actual Chemistry/Act. Physical			
	Standard Packaging			
TAGNUM	QTY	UOM	VEND	VENDPO
PCS				HLOT
1013590460	1	PC	BOLTON AE 0000261964	L25165
SAE AMS 4640 H;ROHS COMPLIANT;ASTM B 150/B 150M 2012				

**Total Gross Weight**

**19.000 lb**

All items, not declared as partial delivery, are final quantities.

Delivery Terms: PPD gem. Incoterms 2000 Prepaid PREPAID

## DELIVERY NOTE

DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAWKESBURY ON K6A 1K7

DATE:	03/09/2018
DOC. NO:	2405800687*
BOL. NO:	2405800687
ORDER NO:	1403541295
YOUR P/O:	039109
CUSTOMER NO:	10058125
Route:	<b>303UA</b>
CONTACT:	Stan Ivers
TEL:	905-532-1350 ext 21350
FAX:	905-738-9033 ext 9033
EMAIL:	STAN.IVERS@THYSSENKRUP P.COM

### CERTIFICAT DE CONFORMITÉ/CERTIFICATE OF COMPLIANCE

\*thyssenkrupp Matériaux NA certifie que le matériel décrit ci-dessus est conforme aux dessins ou spécifications exigés sur le bon de commande et qui sont en vigueur à la date ou la commande a été acceptée./ thyssenkrupp Materials NA certifies that the material described above is in accordance with the drawings or specifications called for on said order that are current on the date order was accepted.

\*Nous certifions que le document reproduit ici est une copie conforme du rapport fourni par le fournisseur du matériel où les données résultent de l'analyse faite par un laboratoire qualifié/ We certify that the document reproduced here is true to the report provided by the equipment supplier where the data are the result of analysis by a qualified laboratory.

David Noordine - Director of Quality Assurance



ISO 9001 2008  
AS 9100 Rev.C  
LRQ. 0902066

BOLTON AEROSPACE LIMITED

**bolton**  
AEROSPACE

TEST CERTIFICATE  
EN 10204:2004 3.1

<b>CUSTOMER SHIPPED TO:</b> THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD ONTARIO L4K 5C6	<b>TEST CERTIFICATE NO.</b>	L25165	Rev 0
	<b>BATCH NO. (LOT NO.)</b>	L25165	
	<b>WORKS ORDER NO.</b>	S33737	
	<b>ALLOY</b>	CA18	
<b>SPECIFICATION</b> ASTM B150-08 C63000 HR50 QQ-C-465B AMD1 83 C63000 AMS 4640 G/H	<b>QUANTITY ORDERED</b>	884 kg	
	<b>WEIGHT DESPATCHED</b>	871 kg	
	<b>CUSTOMER ORDER NO.</b>	PEC-261964	
	<b>DESCRIPTION</b> NICKEL ALUMINIUM BRONZE ROUND ROD 2.500" X 144.000" LENGTH		

MECHANICAL/PHYSICAL PROPERTIES

Tensile Specification	Dia	Area	0.5 % Yield	U.T.S.	Elongation 4D	Hardness
ASTM E8	mm	mm <sup>2</sup>	PSI	PSI	%	HB 10/3000
	12.50	122	70.9	119.0	18	241
	12.51	122	71.5	118.0	17	241

CHEMICAL COMPOSITION %

Cu+Ag	Zn	Fe	Mn	Al	Ni	Sn	Pb	Si	Ni+Co
BAL	0.17	3.72	0.36	9.94	4.73	0.02	0.01	0.08	4.73
BAL	0.14	3.72	0.36	9.83	4.65	0.01	0.01	0.06	4.65

"The products to which this declaration relates conform to the conditions and requirements of the purchaser and to the description, quantity and specification stated".

"These products have been produced under a certified quality system. The test results have been determined by an assessed or accredited laboratory"

REMARKS

MERCUROUS NITRATE TEST SATISFACTORY  
COUNTRY OF MELT & MANUFACTURE IS U.K  
NO WELD REPAIRS

We certify that material is free from mercury contamination.

Signed for and on behalf of  
BOLTON AEROSPACE LIMITED

Chief Inspector

M HUDSON

Date.....

Friday, 12 December 2014

Bolton Aerospace Limited

PO Box 22, Hadleigh Road, Ipswich, Suffolk, IP2 0EG  
Tel: +44 (0) 1473 252127 Fax: +44 (0) 1473 218229

Page 1 of 1

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-Bronze-C63000-R2.500

PO / BATCH NO.: 039108/5049542

DATE: MAR 09 2018

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 1  
 QUANTITY INSPECTED: 1  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.500  
 THICKNESS RECEIVED: 2.500  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

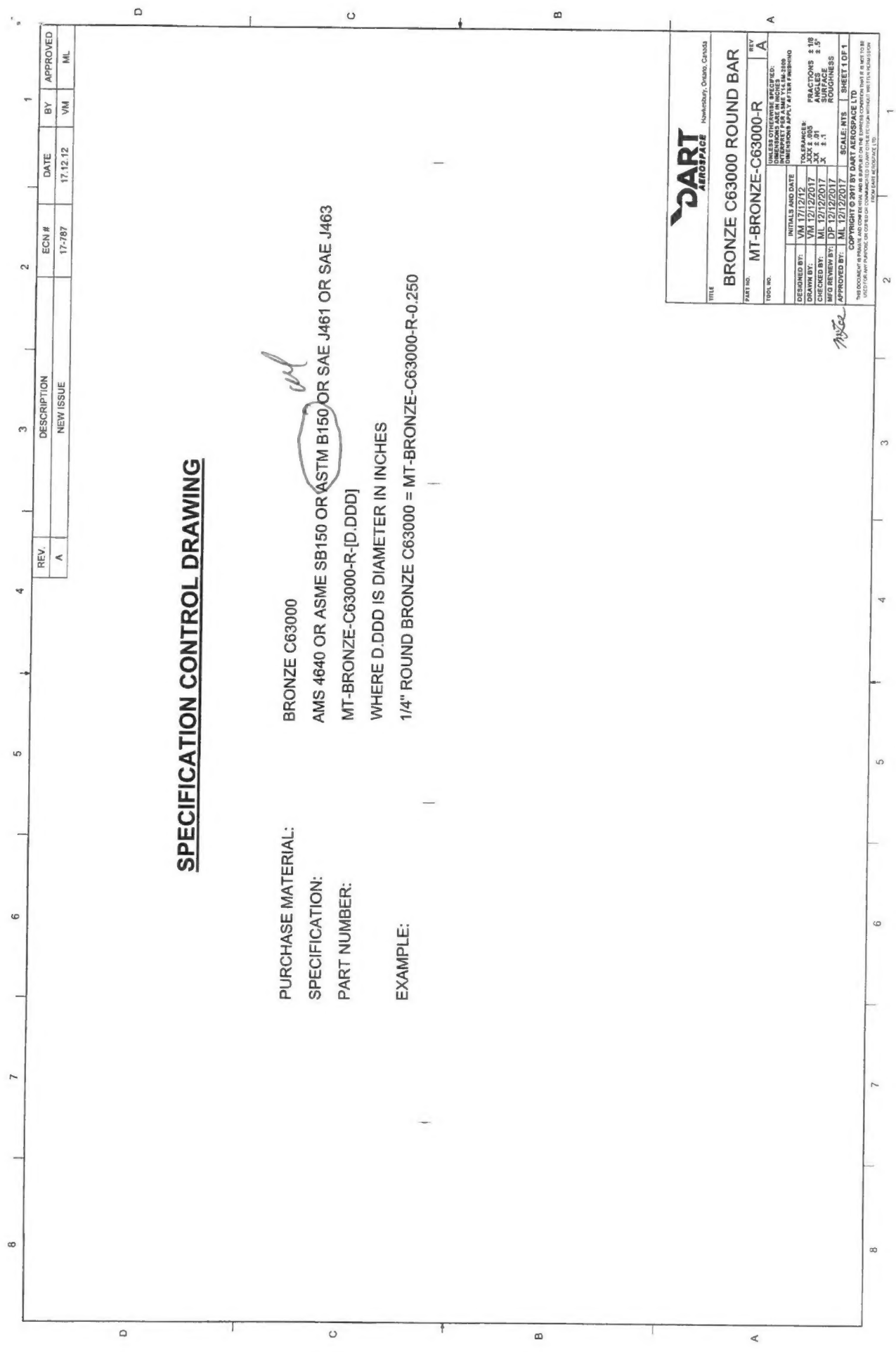
DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	<u>Astm B150</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	<u>test # L25165</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 11</u> DATE: <u>9-89 MAR 09 2018</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



## SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL:

BRONZE C63000

SPECIFICATION:

AMS 4640 OR ASME SB150 OR ASTM B150 OR SAE J461 OR SAE J463

PART NUMBER:

MT-BRONZE-C63000-R-[D.DDD]

EXAMPLE:

1/4" ROUND BRONZE C63000 = MT-BRONZE-C63000-R-0.250

WHERE D.DDD IS DIAMETER IN INCHES

<b>DART AEROSPACE</b> Markham, Ontario, Canada	
TITLE <b>BRONZE C63000 ROUND BAR</b>	
PART NO. <b>MT-BRONZE-C63000-R</b>	REV <b>A</b>
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES DIMENSIONS APPLY AFTER FINISHING	
DESIGNED BY: VM 17/12/12	INITIALS AND DATE
DRAWN BY: VM 12/12/2017	DATE
CHECKED BY: ML 12/12/2017	DATE
APPROVED BY: ML 12/12/2017	DATE
TOLERANCES FRACTIONS ± .01 DECIMALS ± .005 ANGLES ± .01 SURFACE ROUGHNESS	
SCALE: NTS	
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